



MICRO LOG

Company	PHILLIPS EXPLORATION COMPANY L.C.
Well	WANKER #3-4 SHR
Field	DOWNER CREEK
County	TREGO
State	KANSAS
Company	PHILLIPS EXPLORATION COMPANY L.C.
Well	WANKER #3-4 SHR
Field	DOWNER CREEK
County	TREGO
State	KANSAS
Location:	API # : 15-195-23095-0000
Permanent Datum	SEC 4 TWP 13S RGE 24W
Log Measured From	GROUND LEVEL Elevation 2479
Drilling Measured From	1200' FSL & 550' FEL KELLY BUSHING 5' A.G.L. KELLY BUSHING Elevation K.B. 2484 D.F. 2482 G.L. 2479
Date	10/15/19
Run Number	TWO
Depth Driller	4180
Depth Logger	4179
Bottom Logged Interval	4178
Top Log Interval	3400
Casing Driller	8 5/8" @ 208
Casing Logger	208
Bit Size	7 7/8"
Type Fluid in Hole	CHEMICAL MUD
Density / Viscosity	9.667
pH / Fluid Loss	8.5/9.2
Source of Sample	FLOWLINE
Rm @ Meas. Temp	1.1 @ 66F
Rmt @ Meas. Temp	.83 @ 66F
Rmc @ Meas. Temp	1.32 @ 66F
Source of Rmt / Rmc	MEASURED
Rm @ BHT	.61 @ 118F
Time Circulation Stopped	2 HOURS
Time Logger on Bottom	///
Maximum Recorded Temperature	118F
Equipment Number	1523
Location	HAYS, KANSAS
Recorded By	GUS PFANENSTIEL
Witnessed By	PAT DEENIHAN

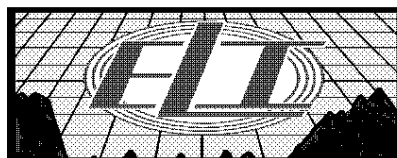
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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

THANK YOU FOR USING ELI WIRELINE, HAYS, KS. (785) 628-6395

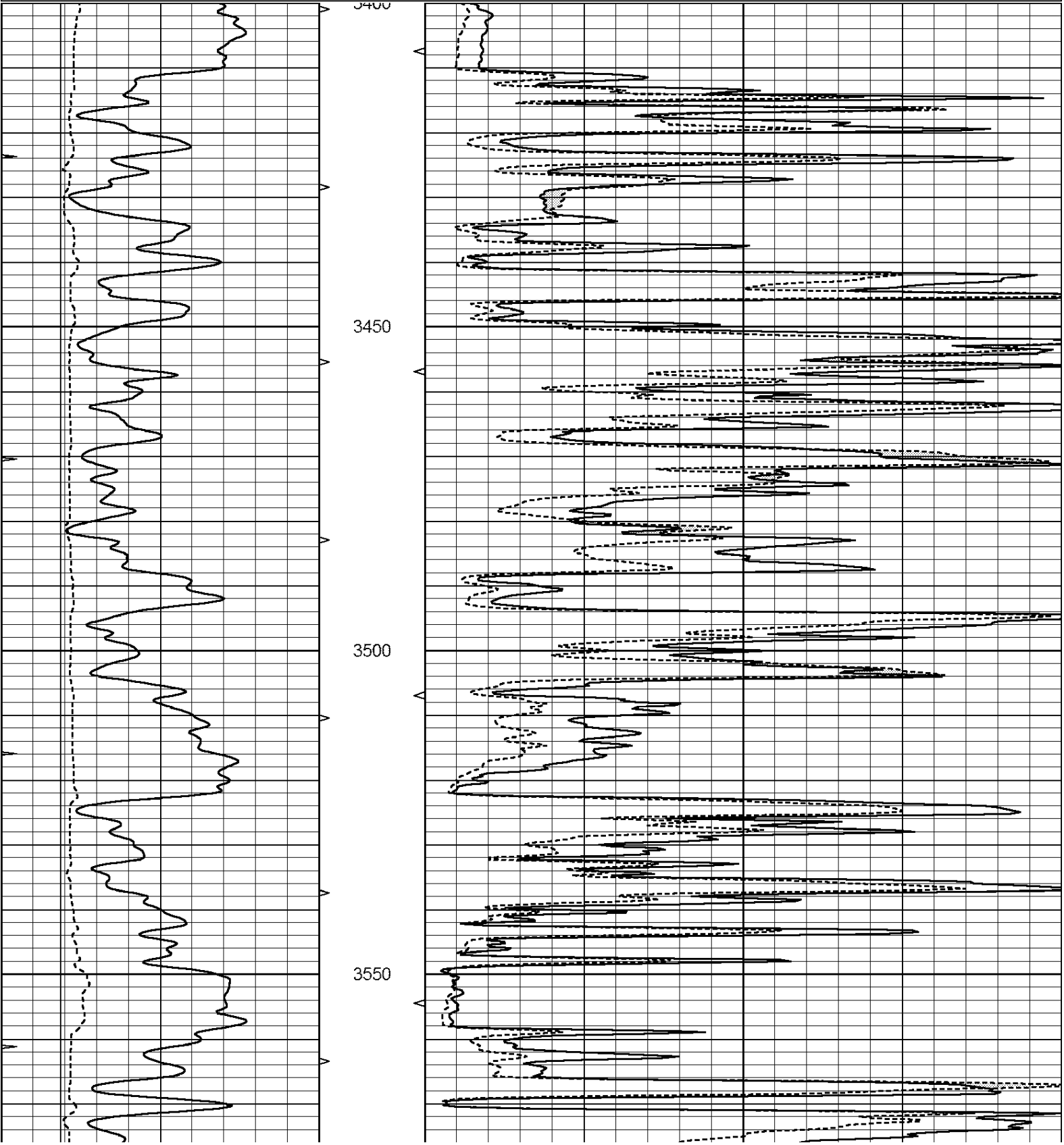
DIRECTIONS
WAKEENEY SOUTH TO LANDFILL, WEST 5 MILES
SOUTH INTO.

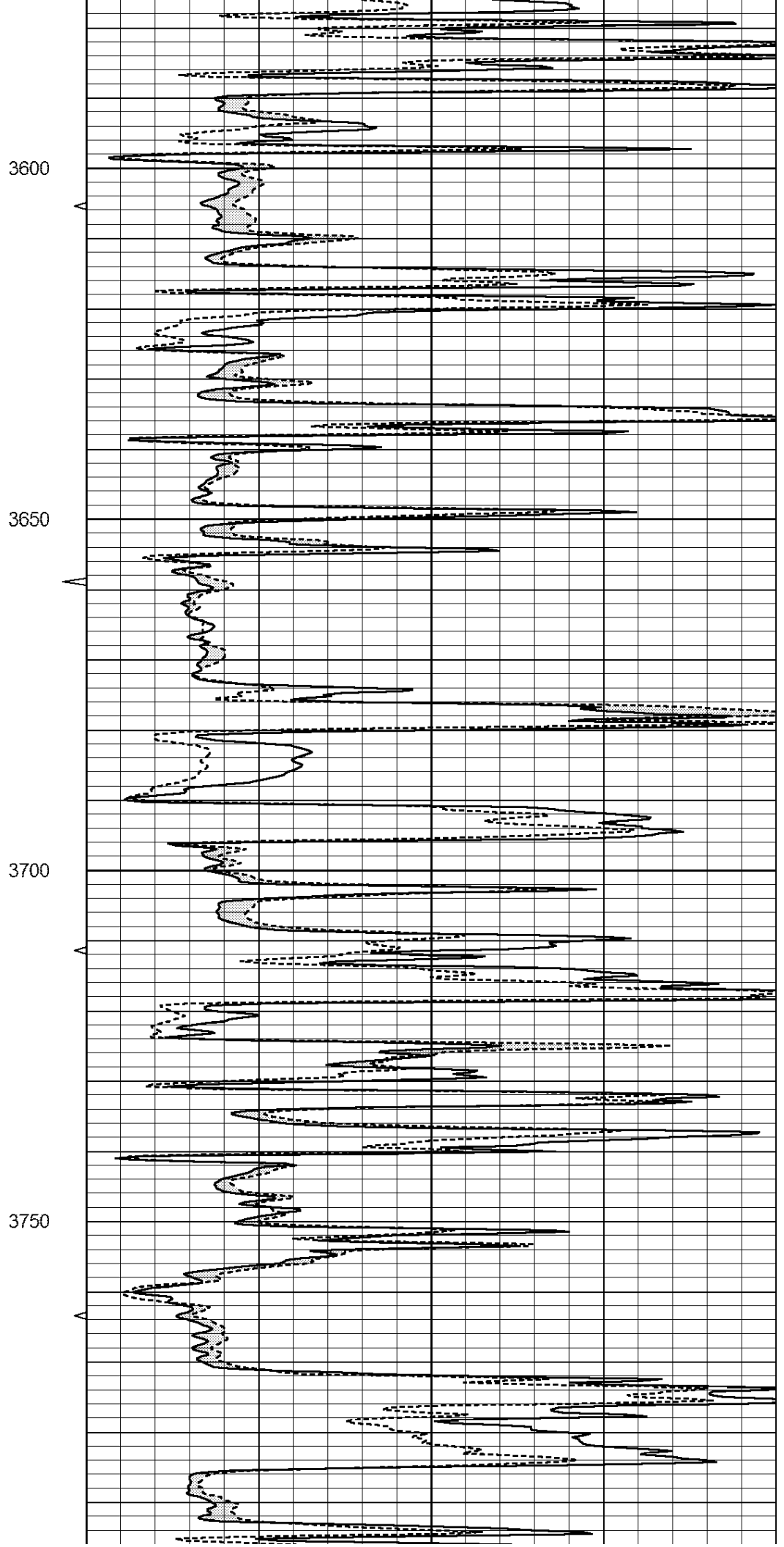
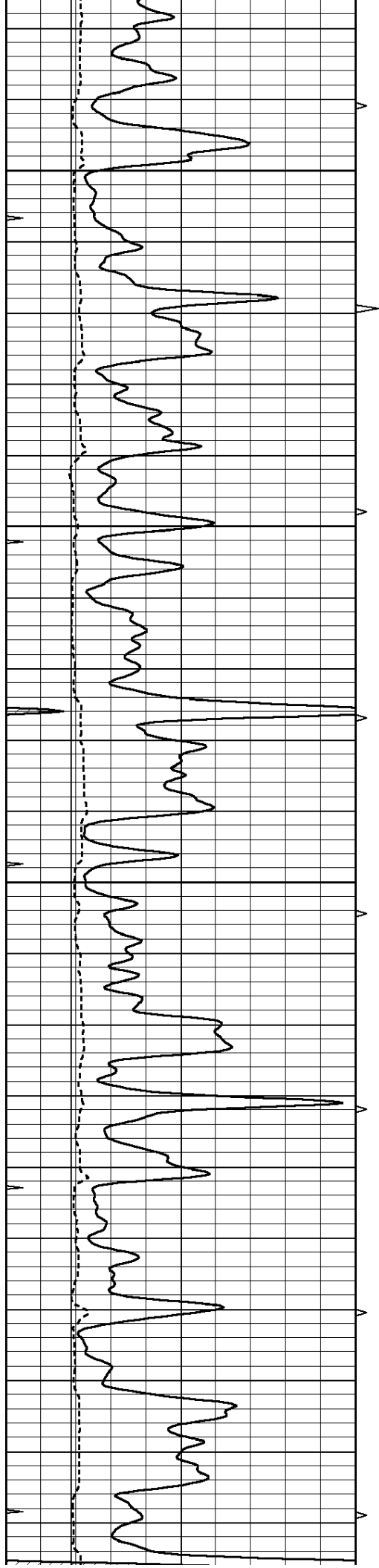


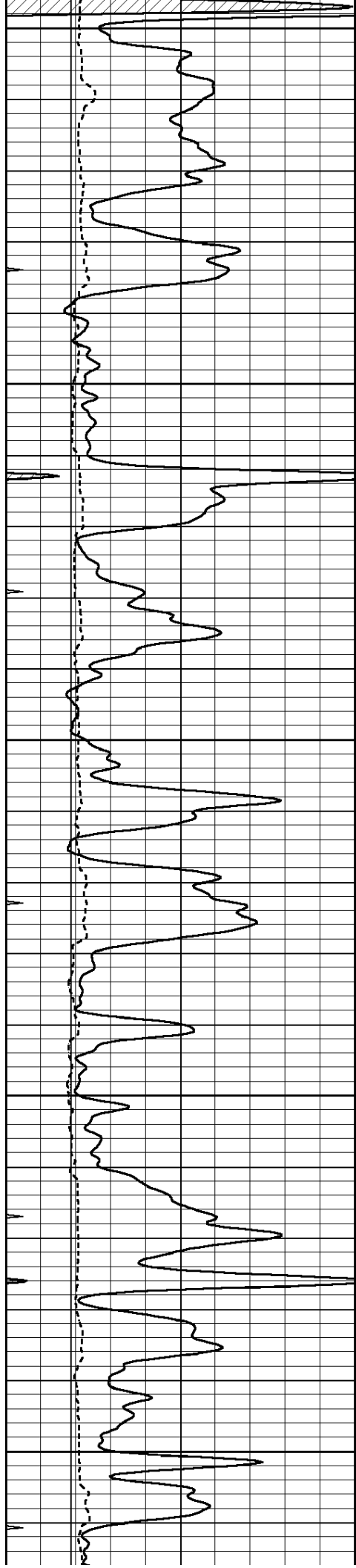
MAIN PASS

Database File: 4098ddn.db
Dataset Pathname: pass6.1
Presentation Format: _micro
Dataset Creation: Tue Oct 15 15:53:18 2019 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m)	40
6	CALIPER (in)	16	10 (ft3)	0	MEL2.0 (Ohm-m)	40
0	MINMK	20	TBHV			
			0 (ft3)	10		







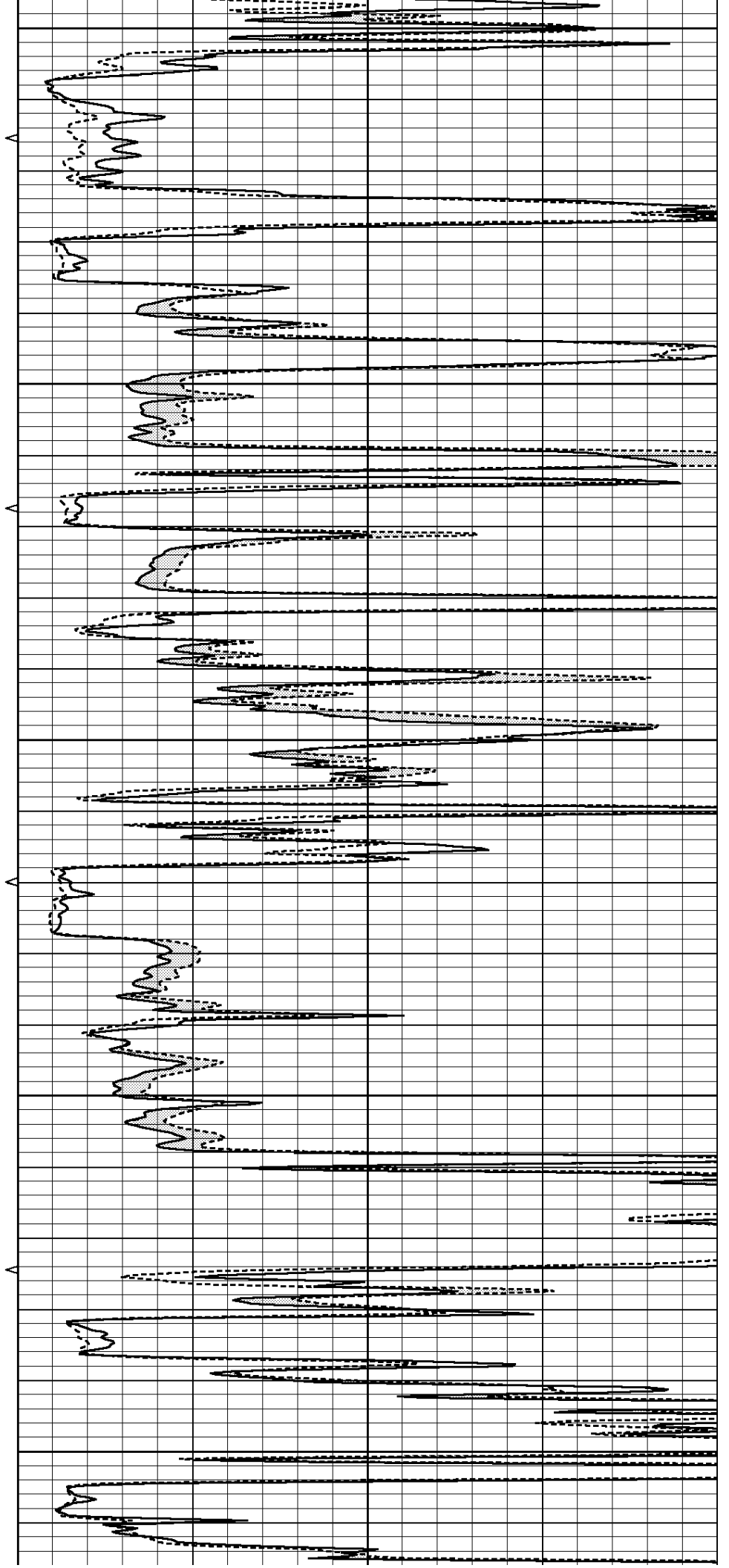
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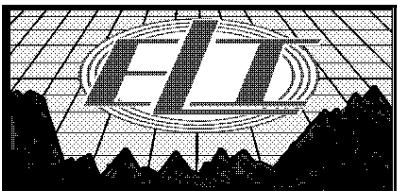
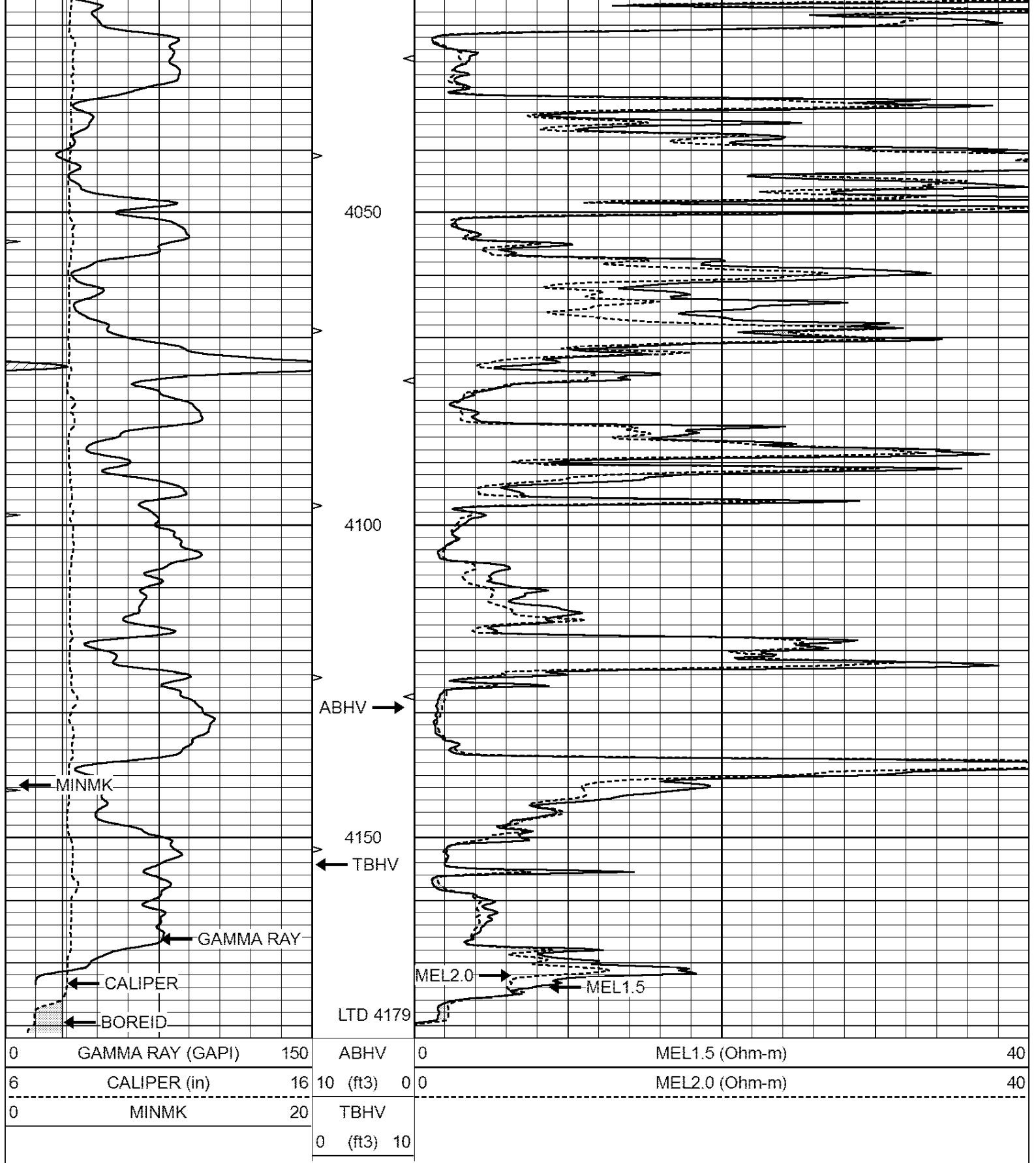
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3950

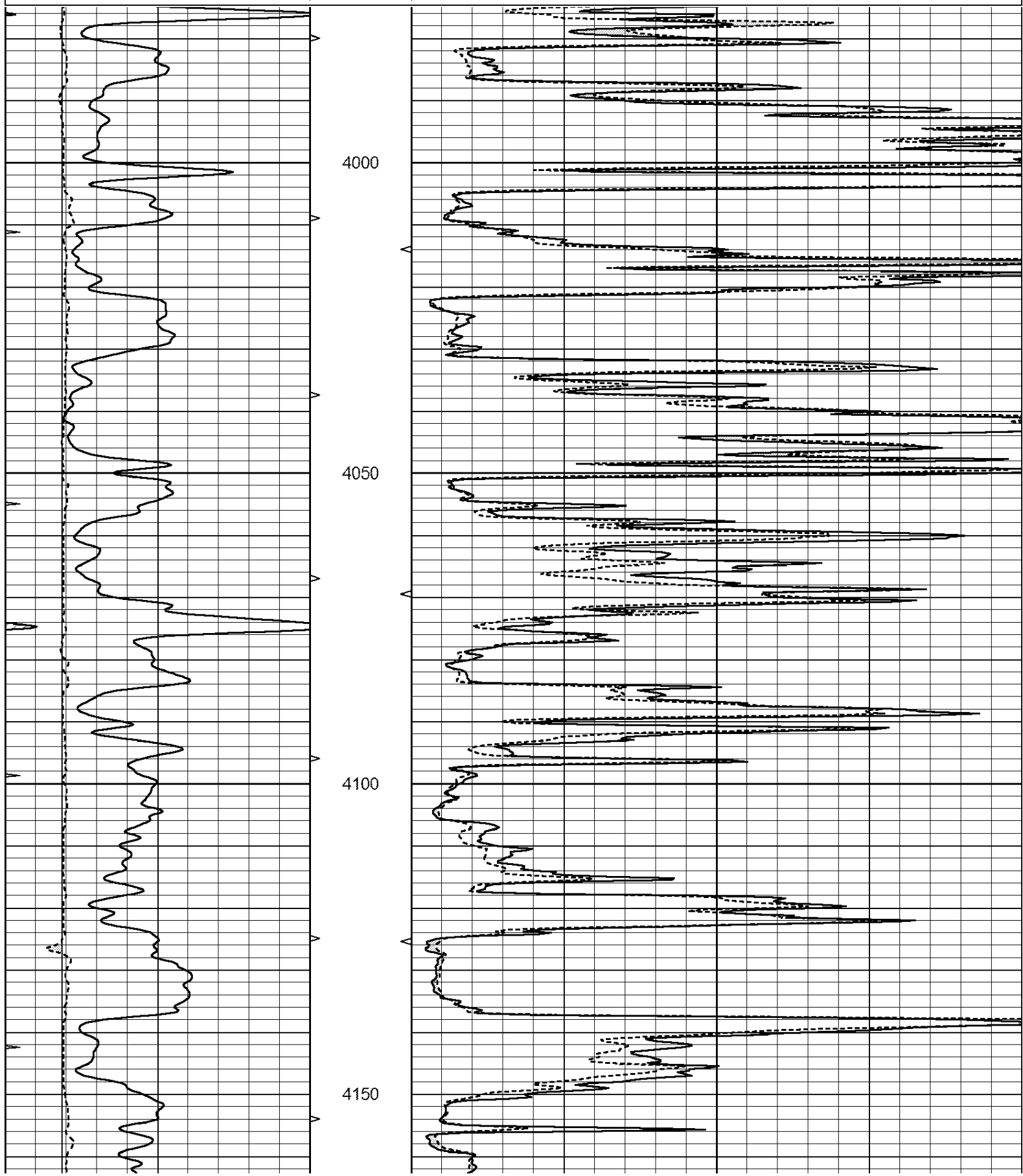
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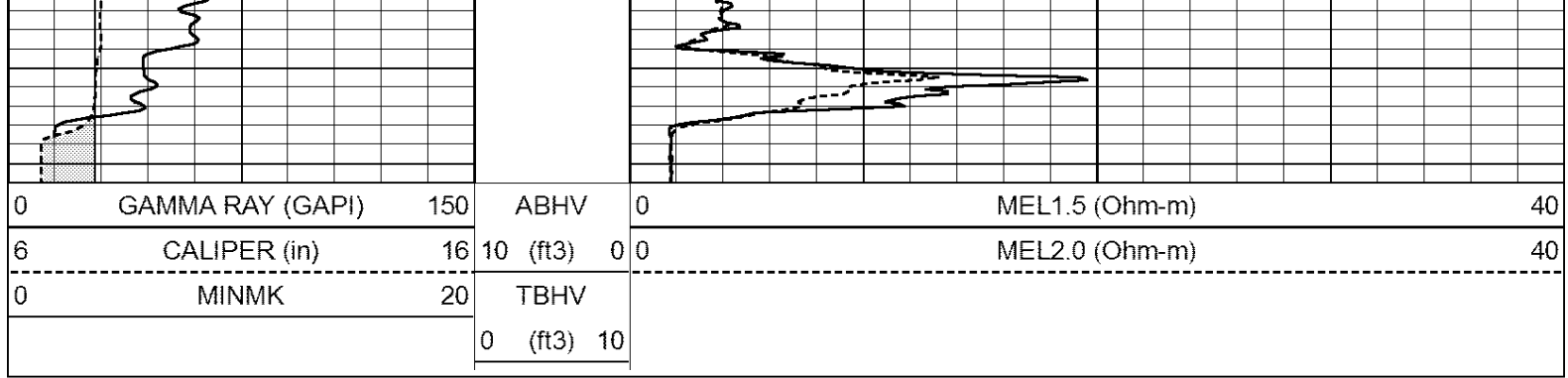




REPEAT SECTION

0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m)	40
6	CALIPER (in)	16	10 (ft3)	0 0	MEL2.0 (Ohm-m)	40
0	MINMK	20	TBHV			
			0 (ft3)	10		





Calibration Report

Database File: 4098ddn.db
 Dataset Pathname: pass6.1
 Dataset Creation: Tue Oct 15 15:53:18 2019 by Calc Open-Cased 090629

MICRO Calibration Report

Serial Number:	Micro1	
Tool Model:	ProbeL	
Performed:	Thu Sep 12 10:50:26 2019	
Caliper Calibration:	Gain=2.030	Offset=6.735
References	Low Cal	High Cal
Readings	9.500	13.000
	0.308	2.032
1.5" Calibration:	Gain=36.134	Offset=-1.000
References	Low Cal	High Cal
Readings	0.000	20.000
	0.004	0.832
2" Calibration:	Gain=32.000	Offset=-0.300
References	Low Cal	High Cal
Readings	0.000	20.000
	0.022	0.793

Gamma Ray Calibration Report

Serial Number:	GR5	
Tool Model:	OPEN	
Performed:	Thu Sep 12 10:48:02 2019	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.5500	GAPI/cps